

ABSTRACT OF THE DISCLOSURE

The invention relates to a combination asphalt/concrete surface repair machine. The machine is a direction-finding, wheeled, transportable vehicle, which is a self-regulating, repair contraption, controlled by a complex central computer. The machine is capable of being attached to and hauled by another faster vehicle (i.e., truck) if necessary.

This machine is guided by a positioning device, which uses advanced radar and laser technology to place the machine above each position of the road surface to be repaired. It uses seismic or radar analyzer technology to determine road surface repair requirements.

The machine uses data from the seismic or radar analyzer to repair the road surface by the use of robotic modules within the machine. This technology can also be used to build new roads, racetracks, airport runways, sidewalks, driveways, parking lots, etc.

My invention is a very complex machine and provides multifaceted construction or repair functions within one machine.

SUMMARY

In summing up, my invention is a machine that is capable of quickly and efficiently repairing many types of surfaces, from highways, airport runways, racetracks, to parking lot surfaces. The machine is a highly modularized, very complex machine, which analyzes and repairs surface imperfections in those surfaces and sub-layers. The robotic facilitated road surface repair instrument completes these tasks while moving over the surface being renovated.

The objective of my invention is to provide a more resourceful, cost effective, and quicker method of repair with respect to asphalt and concrete surfaces to permit the transportation public a superior, more economical, safer means of travel. Later versions of this invention could some day be used to build highways, airport runways, racetracks etc.